

# San Francisco Bay Area Water Trail Updates



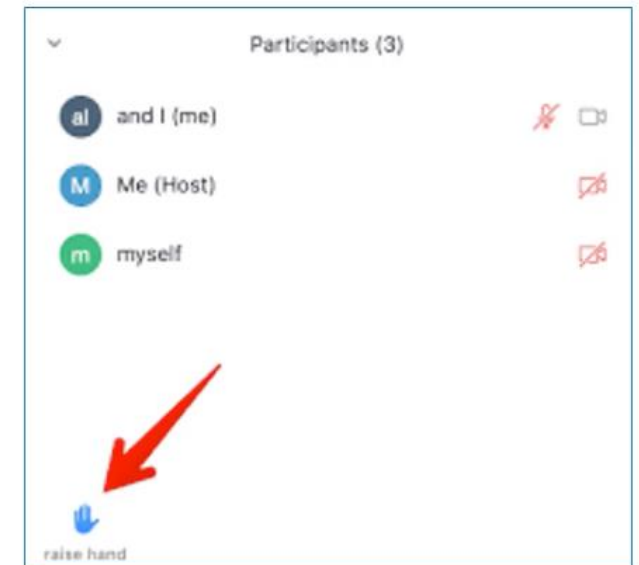
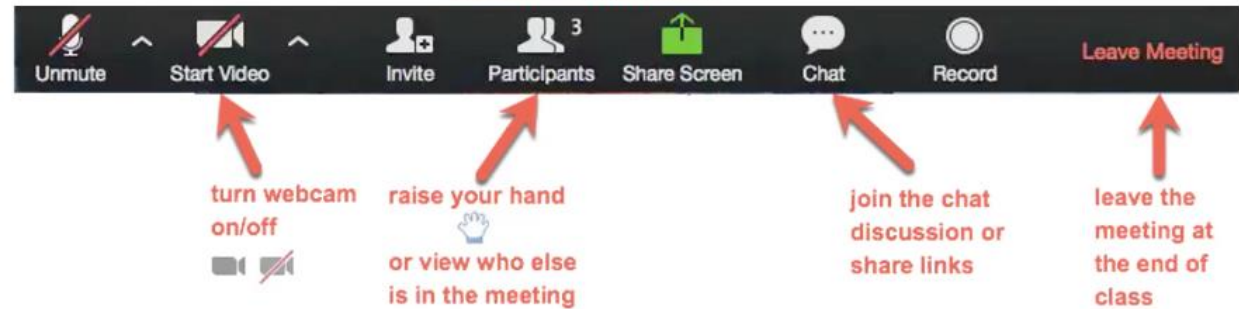
September 18, 2020

Ben Botkin, Planner  
Avra Heller, Project Manager



# Zoom Meeting Process

- Meeting will be recorded
- All participants will be muted
- For general / public discussion:
  - “Raise hand” to be called on / unmuted
  - OR dial \*9 if calling in to “raise hand”
  - OR enter comments in the “Q&A”
  - Please keep comments to 2-3 minutes
- Advisory Committee designation recommendations:
  - Avra wil call on AC members
- Project Management Team designation determination:
  - Ben will call on PMT members



# Updates

- Next 2020 meeting dates:
  - December 11
- Will send email with 2021 dates





# Updates

- Maddie update
- 11 months old





# Updates

- Thank you, Laura!!



Day on the Bay – Alviso 2013



# Program Implementation

1. Planning + Partnerships
2. Facilities + Grants
3. Education + Outreach





# Planning + Partnerships





# Planning

- Pier 30-32 Proposal



# Planning

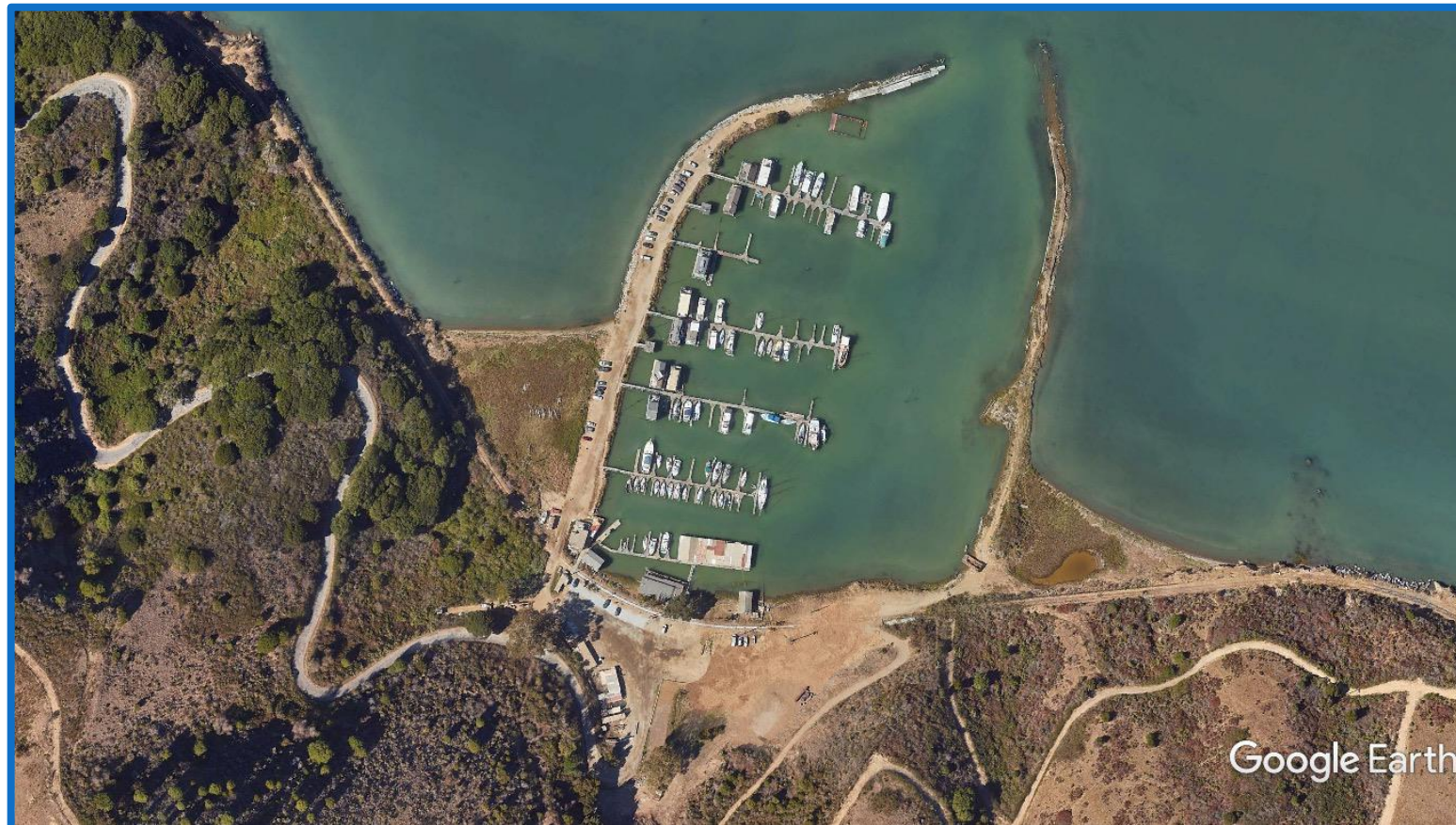
- India Basin Shoreline Park





# Planning

- Pt San Pablo Yacht Harbor





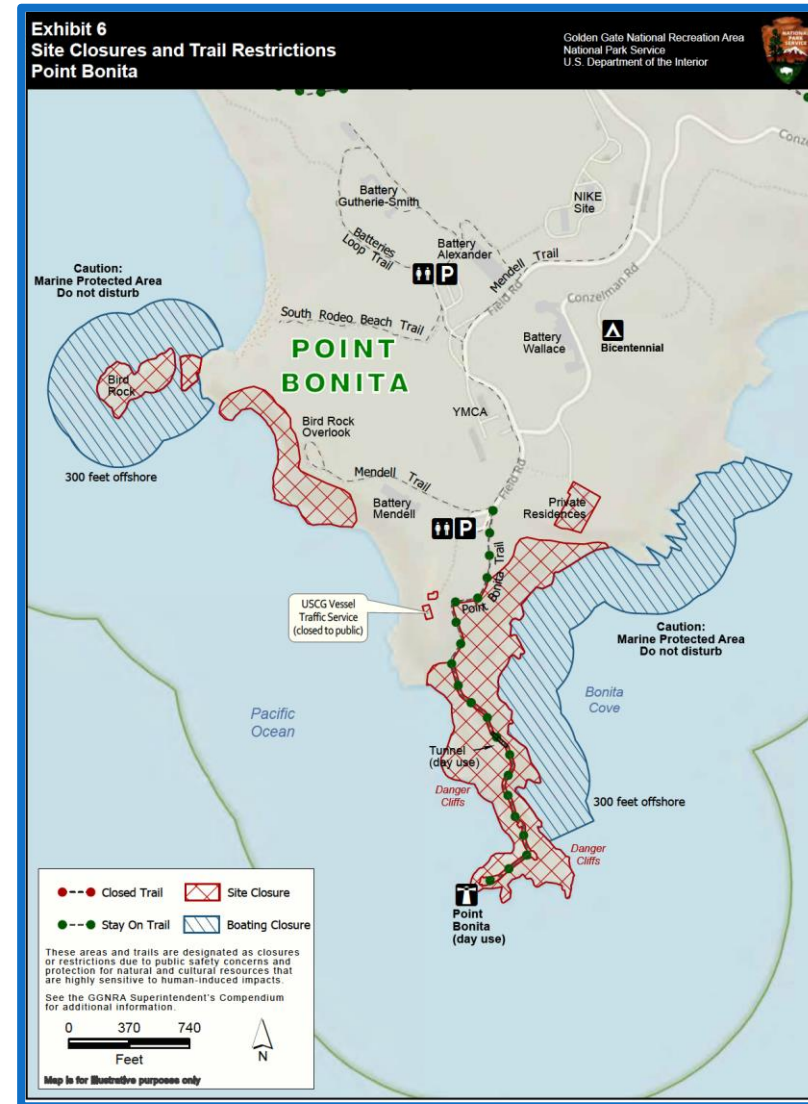
# Planning

- Point Molate



# Planning

- Golden Gate National Recreation Area Closures





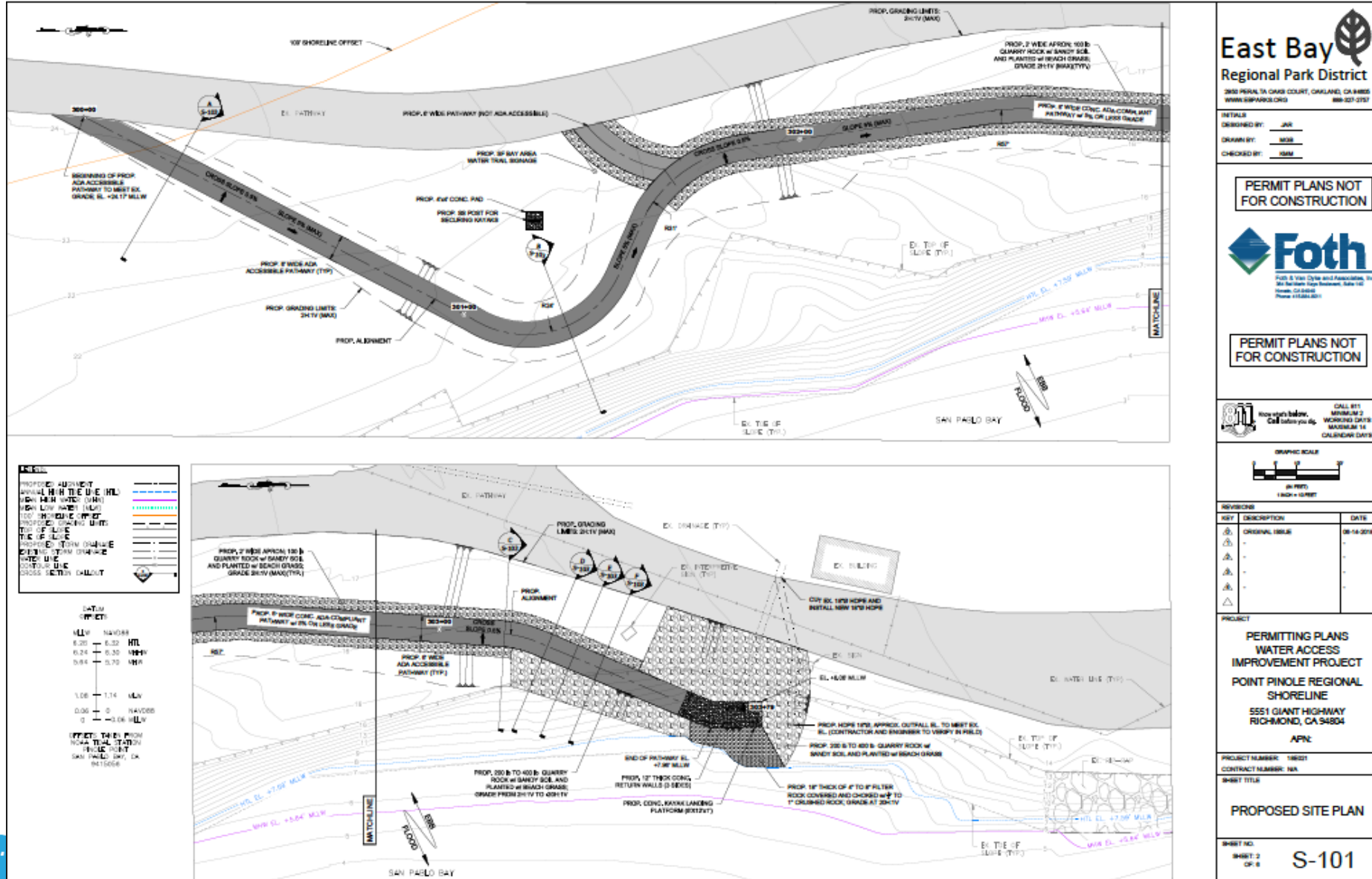
# Planning

- Point Pinole Kayak Access



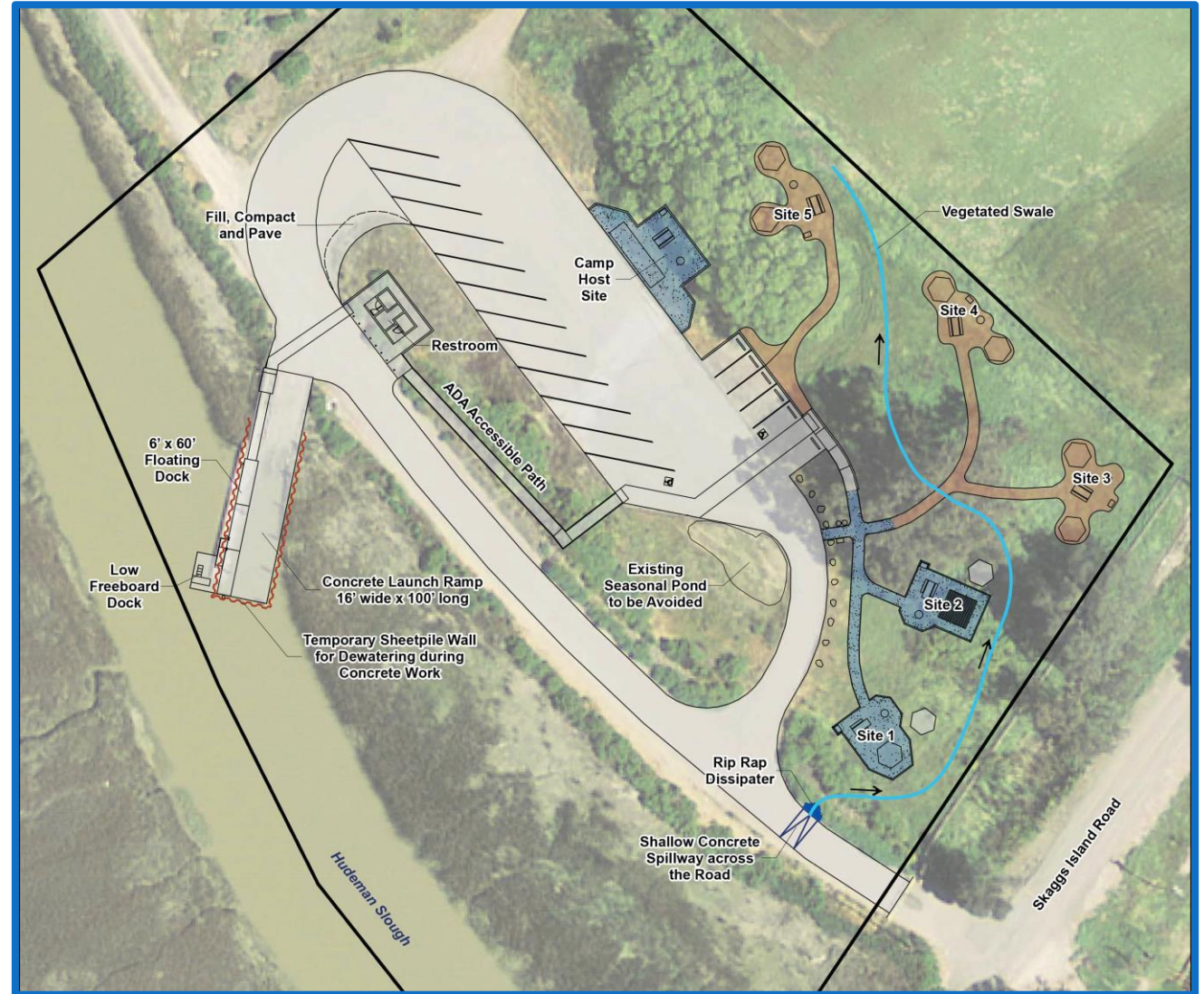


# Planning



# Planning

- Hudeman Slough Boat Launch Improvement Project





# Planning

- Loch Lomond Marina





# Planning

- Doolittle Boat Launch Replacement Project – Planned construction 2021



# Partnerships

- TOGETHER Bay Area Public Access Working Group
- Fall Forum – Oct 1-2





# Facilities and Grants





# Grant Updates

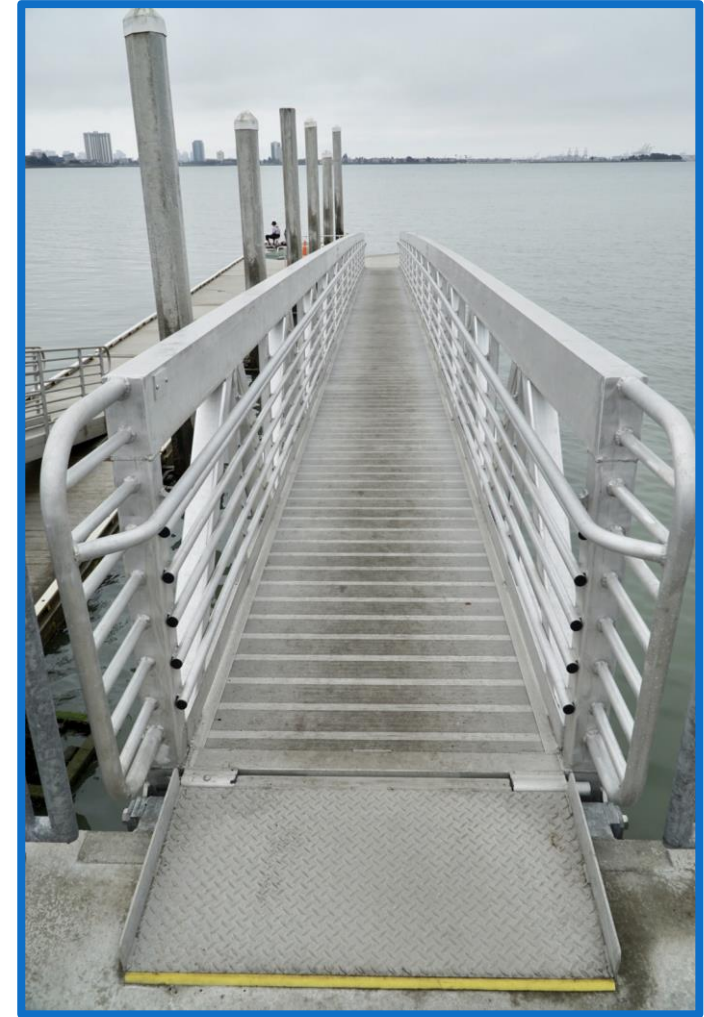
- Berkeley Marina Gangway





# Grant Updates

- Berkeley Marina Gangway





# Grant Updates

- Berkeley Marina



# Grant Updates

## Muddy Petaluma River Dredged With Hopes Of Reviving Once-Thriving Waterway


By Don Ford   September 4, 2020 at 8:58 pm   Filed Under: Army Corps of Engineers, Dredging, Environment, Mud, Petaluma news, Petaluma River, River



FOLLOW US



OUR | NEWSLETTER

 Sign up and get our latest headlines delivered right to your inbox!

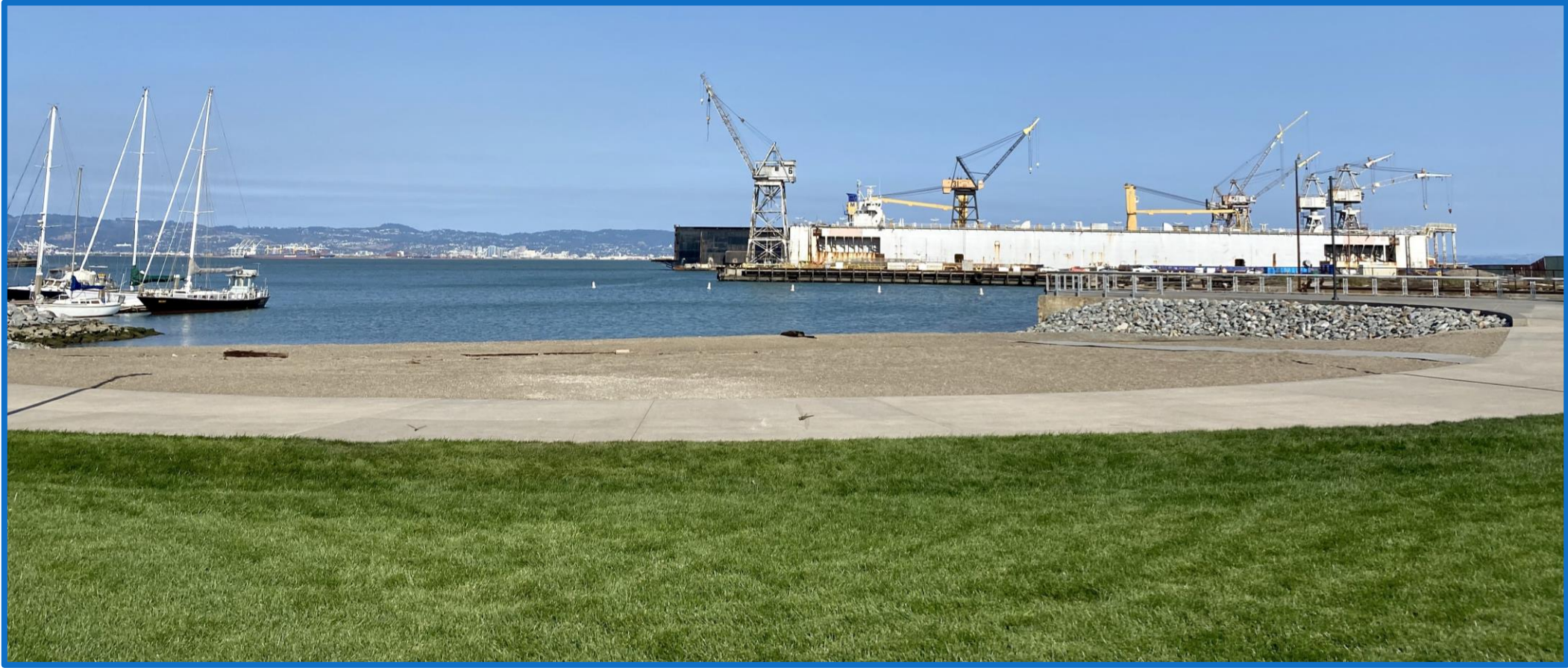
Email address





# Facility Updates

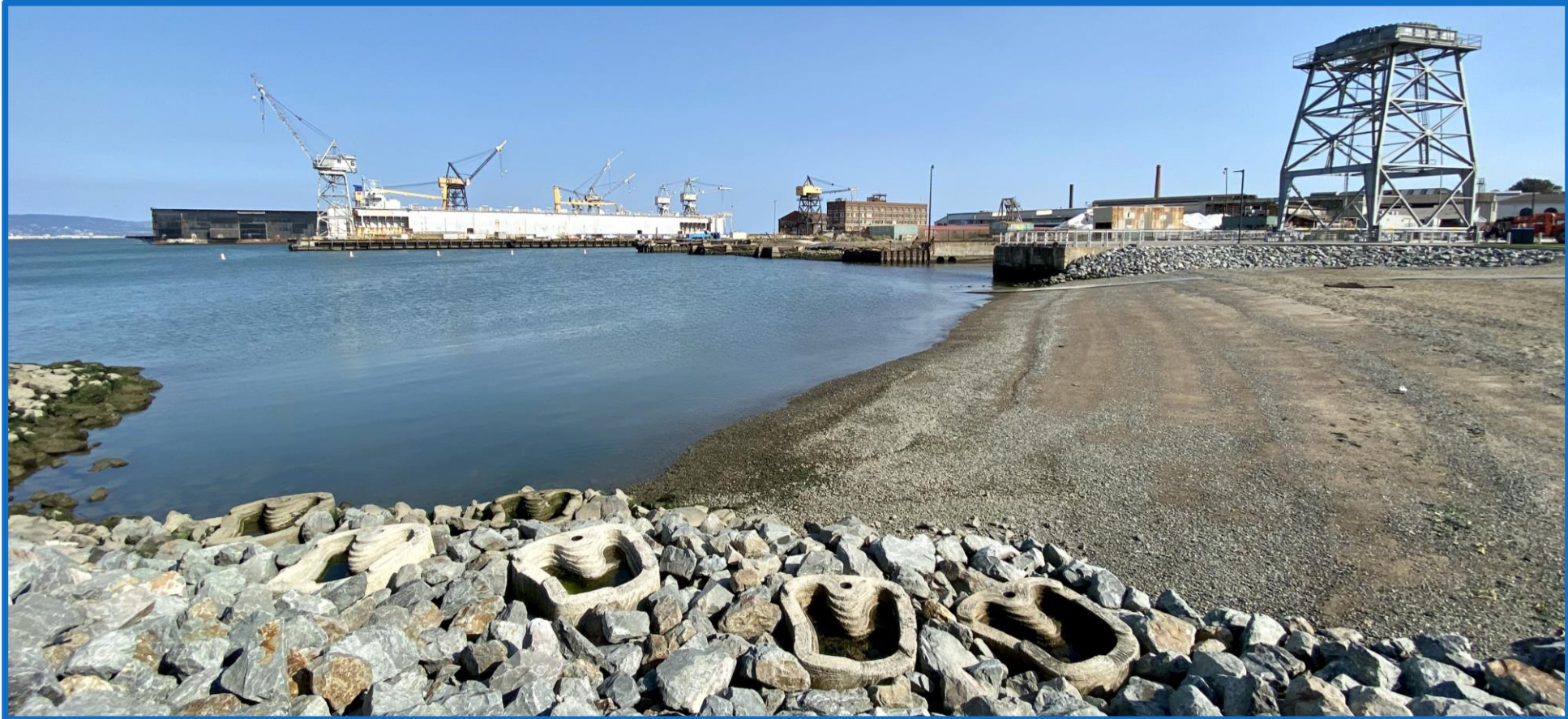
- Crane Cove Park complete! Opens to the public September 30!





# Facility Updates

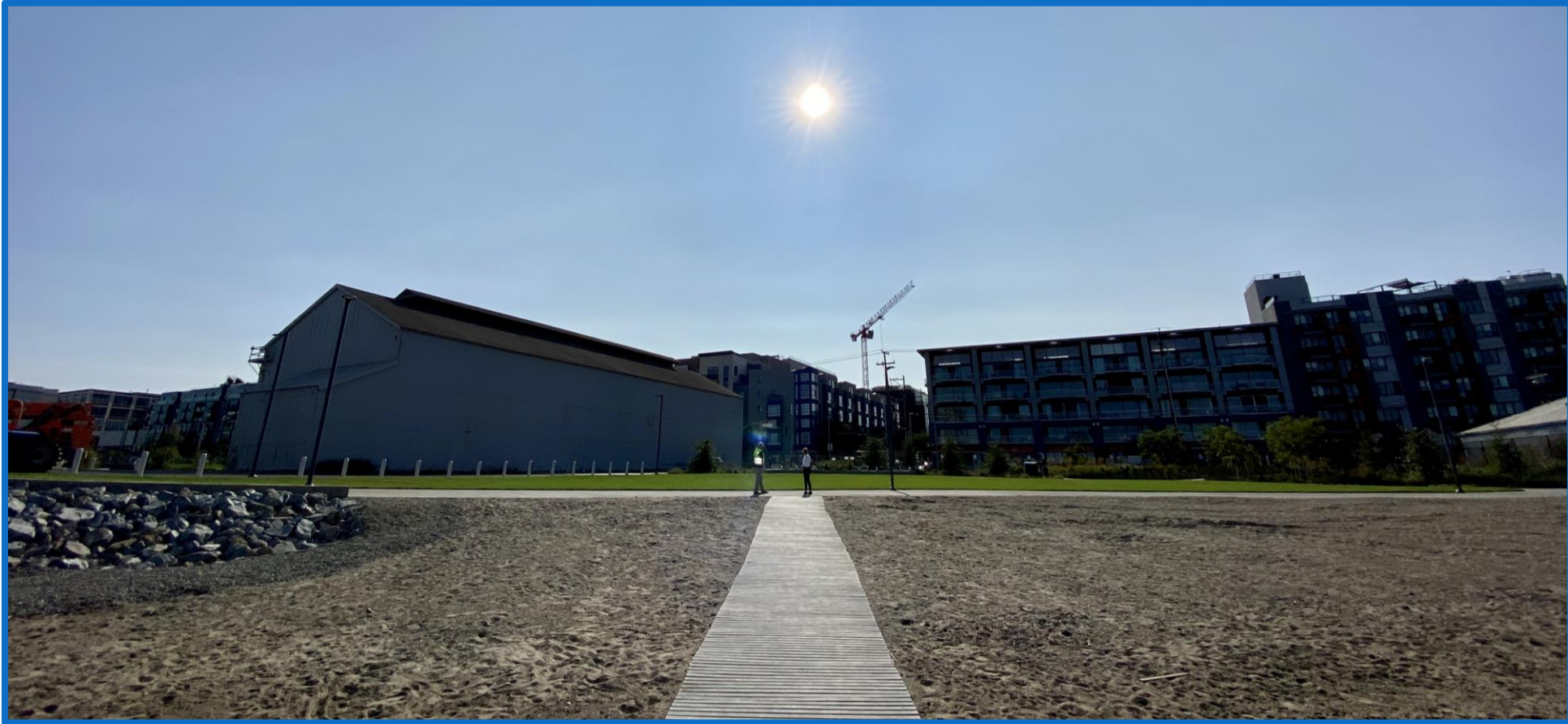
- Crane Cove Park!





# Facility Updates

- Crane Cove Park!



# Facility Updates

- Crane Cove Park!





# Facility Updates

- Crane Cove Park!





# Facility Updates

- Crane Cove Park!





# Facility Updates

- Huzzah for effective bureaucrats





# Education and Outreach





# In the News

- New world record!
- Solo, unassisted paddle from SF to Honolulu
- 86 days, 10 hours, and 5 minutes

**KITV 4 abc**  
ISLAND NEWS

HOME NEWS WEATHER

## Woman sets world record rowing solo from San Francisco to Honolulu

Lia Ditton is an accomplished captain and now a world record holder. She considers this journey the "half marathon" for her real test - rowing the entire Pacific, from Japan to San Francisco, by herself.

Monday, September 14th 2020, 1:32 AM HST by Allison Valdez



**KITV 4 abc** SOLO OCEAN ROWER LIA DITTON BREAKS RECORD  
SAN FRANCISCO TO HONOLULU

40-year-old Lia Ditton is an accomplished captain who's competed in some of the world's most challenging ocean races. Saturday morning, she added her greatest feat so far to the list - she broke the women's world record for rowing *solo* from San Francisco to Hawaii.



# In the News

## When the pews are too close together, this church turns to kayaks



The Rev. Jes Kast shares a message with the congregation of Faith United Church of Christ during a service at Bald Eagle State Park in Howard, Pa., on Aug. 30. (Abby Drey/Religion News Service)

By **Emily McFarlan Miller**

September 4, 2020 at 2:33 p.m. PDT

+ Add to list

HOWARD, Pa. — The Sunday worship service began with a prayer thanking God for the chance to meet in a beautiful sanctuary.

## Against a backdrop of soaring small boat sales, a solo kayak trip in Vermont



A warm morning and glassy conditions on the Missisquoi River. By afternoon, a bank of dark clouds hung low over the water. (Jen Rose Smith/for The Washington Post)

By **Jan Bass Smith**





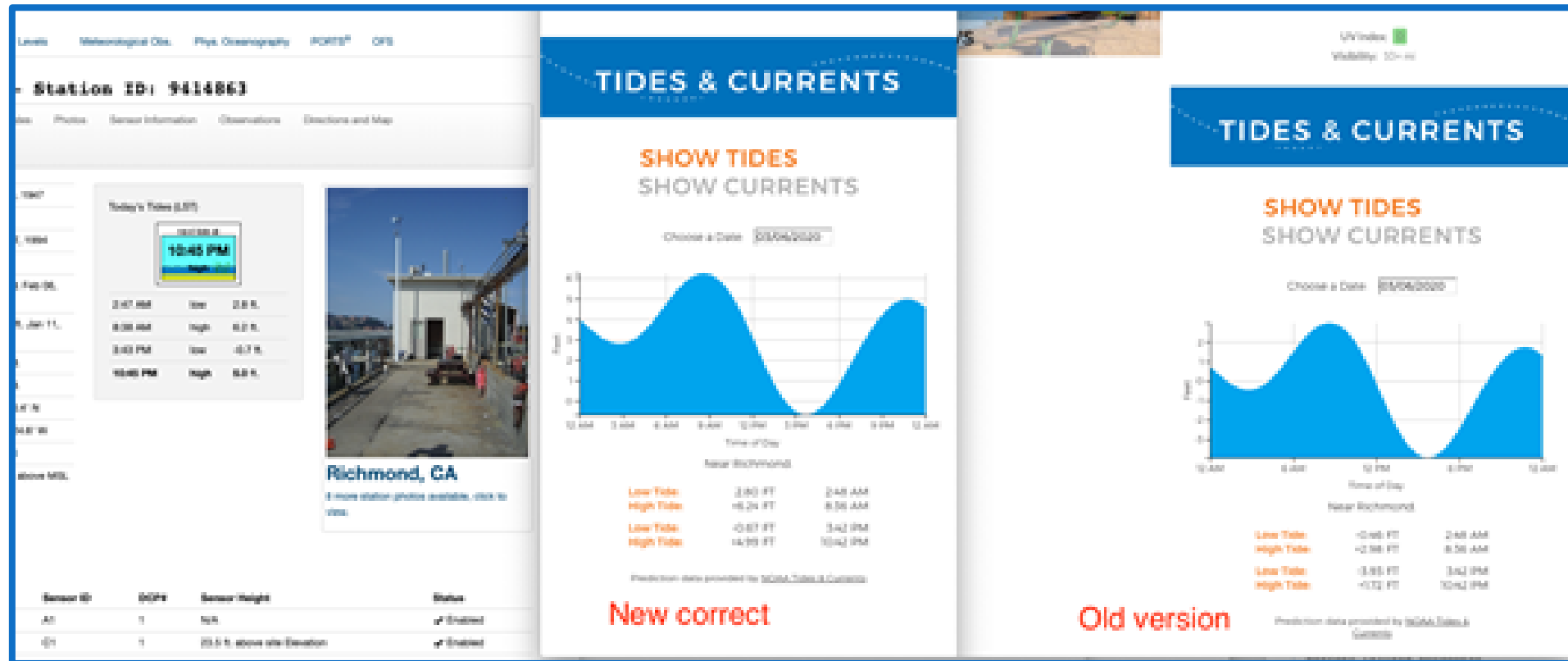
# Education and Outreach

- Bay Day - now Bay Month!
- Bay Access Guidebook



# Education and Outreach

- Website Update





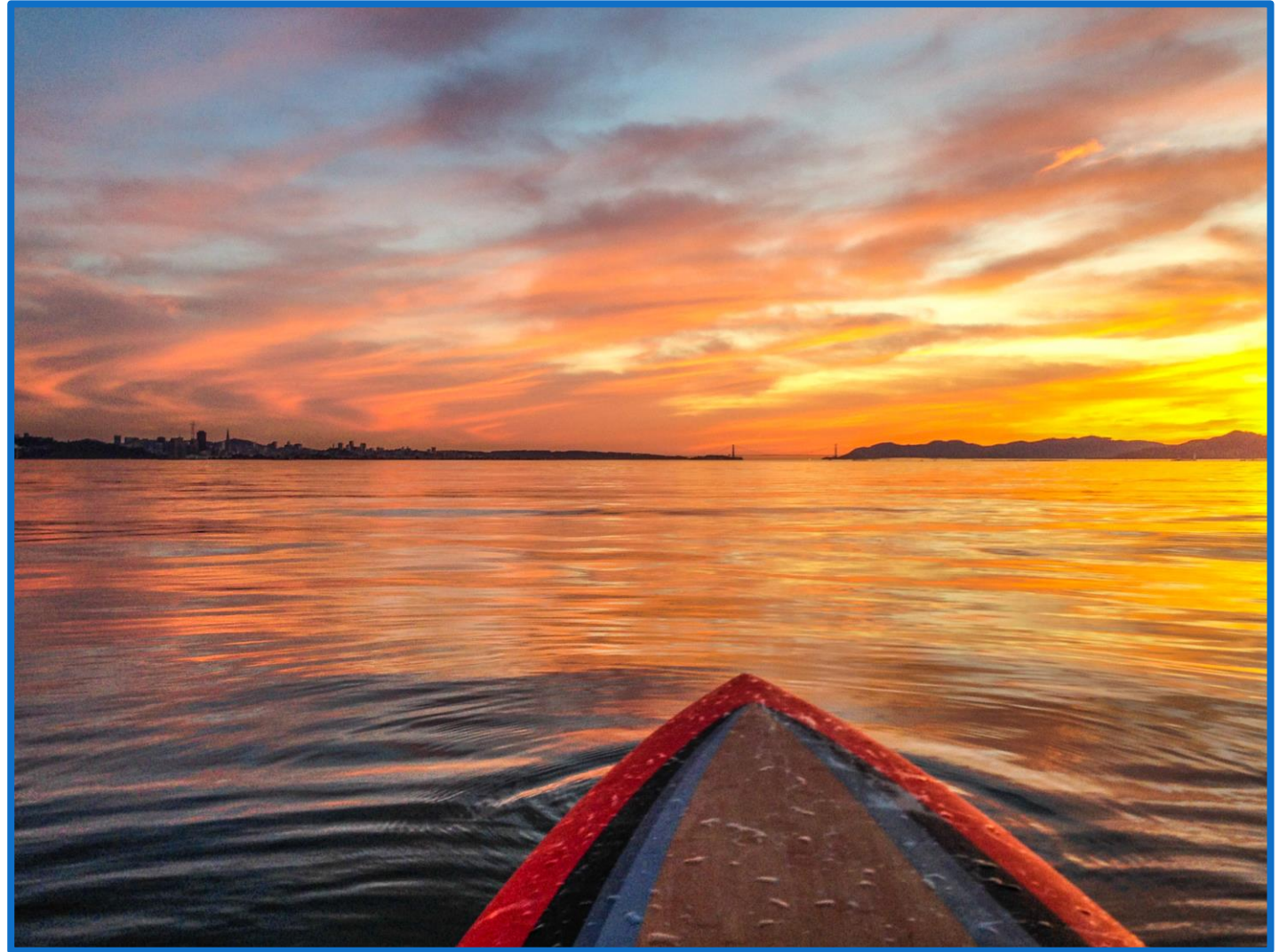
# Education and Outreach

- Blueprint / Plan Bay Area strategy to “Modernize and Expand Parks, Trails, and Recreation Facilities”
  - Invest \$30B over the next 30 years to support the ability of all Bay Area residents to easily access a variety of parks, trails, and recreation opportunities.
  - Enhancements to regional and local parks
  - Development and maintenance of parks and recreation facilities, acquisition of new open space
  - Construction of cross-jurisdictional trails and greenways



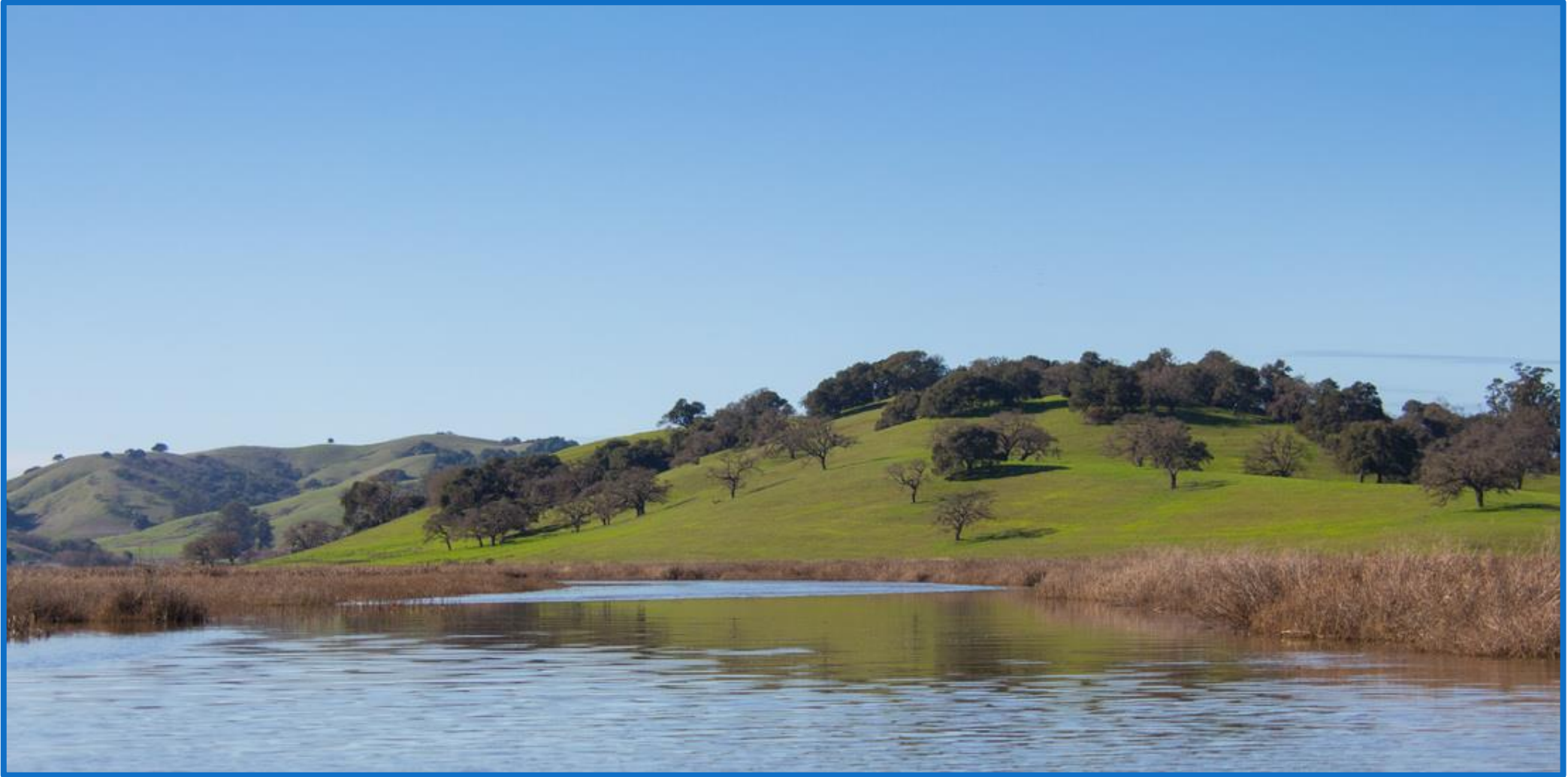
# Looking Forward

- More designations
- Website update
- Maps update
- New grants!





# Questions and Comments



# Water Trail Safety Updates



September 18, 2020



Ben Botkin, Planner  
Tom Boone, US Coast Guard

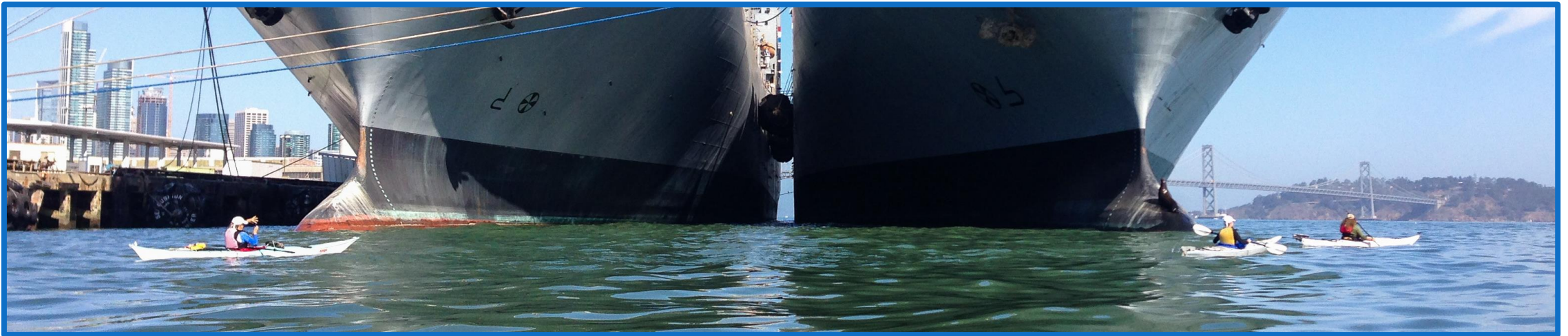




# Safety Update

## Goals

- Comprehensive understanding of types / locations of responses
- Identify trends
- Proactively provide safety outreach/information to the public



# Safety Update

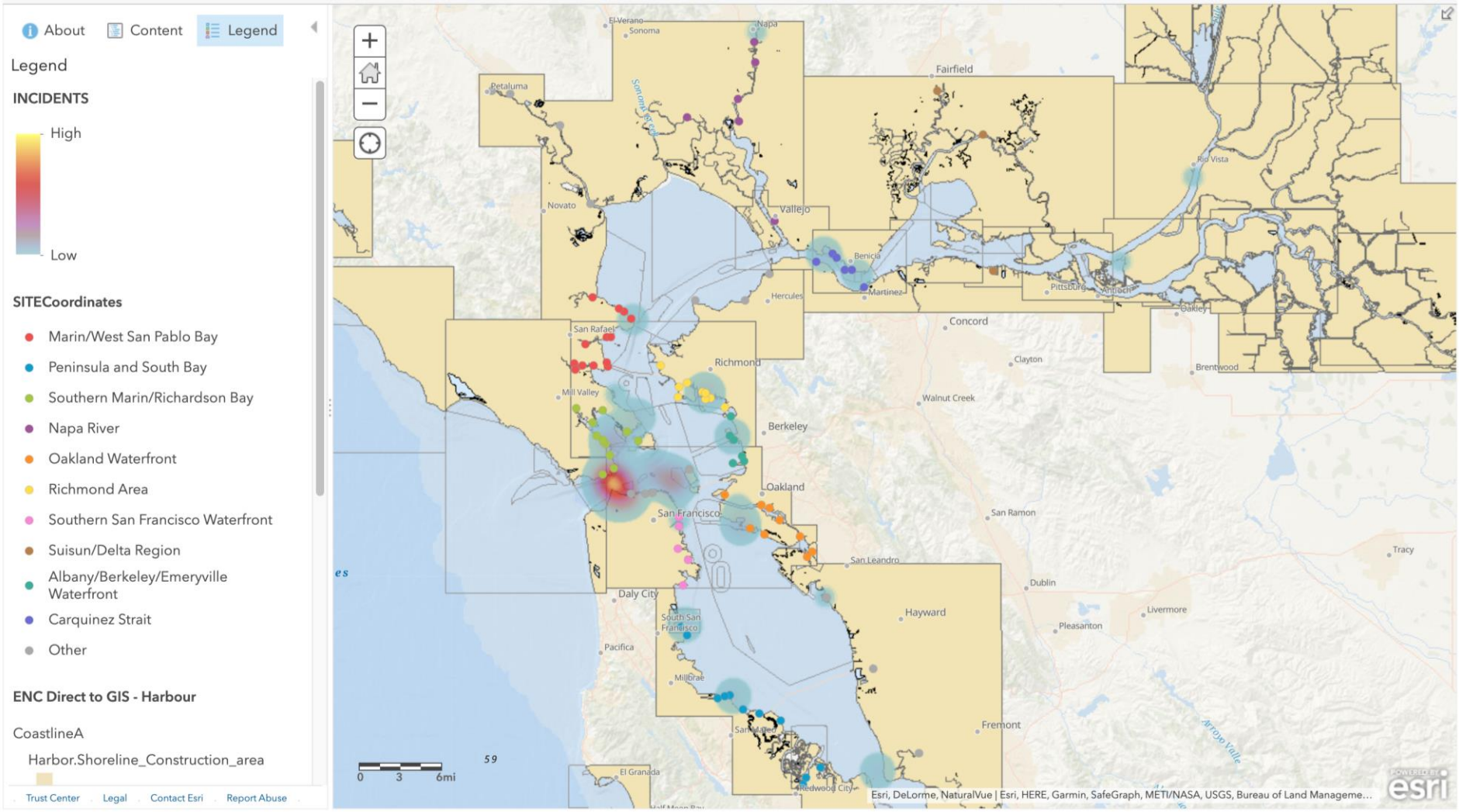
## USCG Responses – Data Compilation (Oct 2017 – present)

- Date
- Event / NMSB craft type
  - “Kayaker in distress”
  - “Downed kitesurfer”
  - “Unmanned / adrift kayak”
- Number of persons involved
- Approximate location

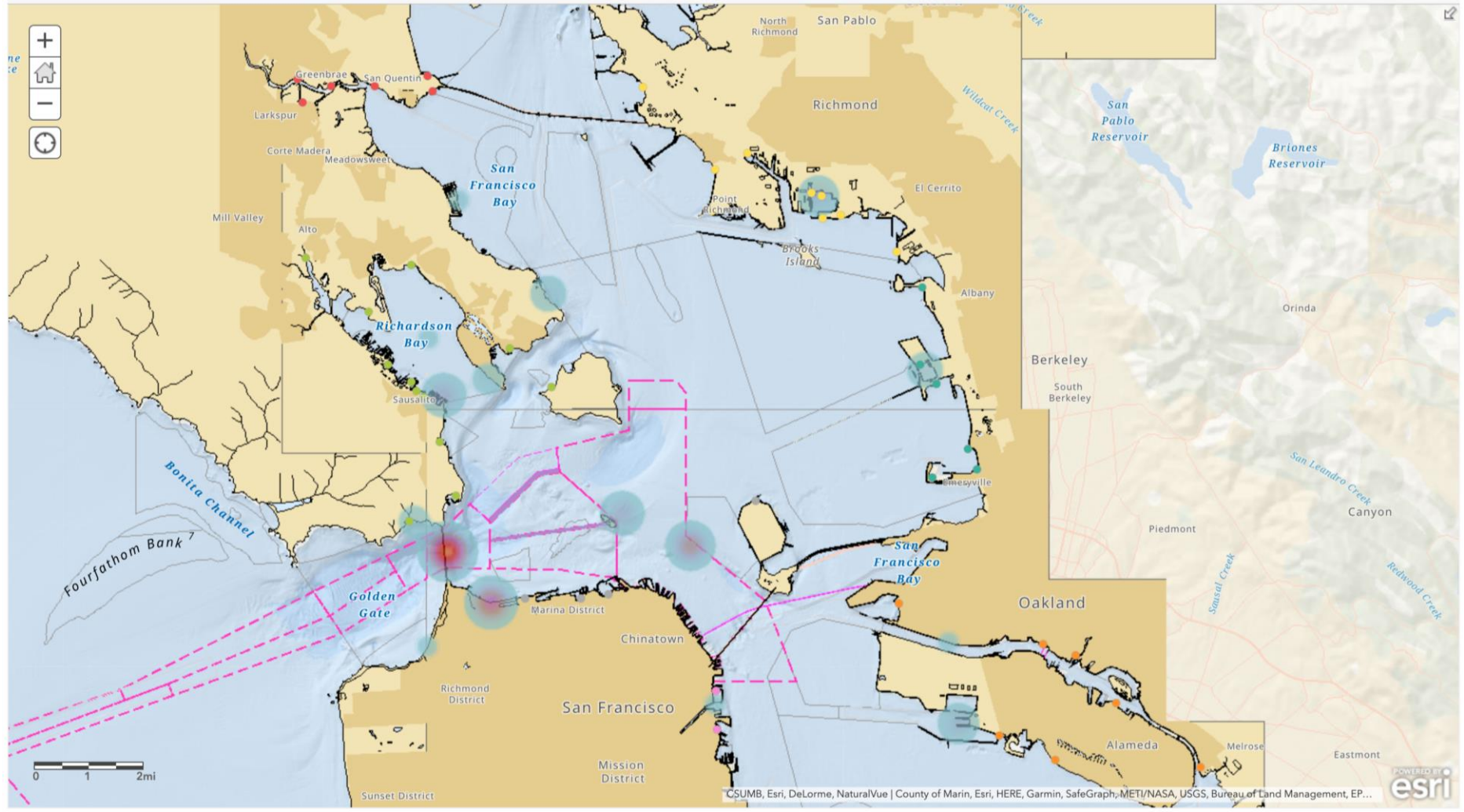




# Safety Update



# Safety Update





# San Francisco Bay Area Water Trail Grant

Sausalito Community  
Boating Center



Ben Botkin, Associate Planner  
Avra Heller, Project Manager



# Community Boating Center Mission

- Provide affordable access to boats & the water
- Preserve maritime heritage through education and skill-building
- Promote environmental stewardship of local bay ecosystem





# Progress To-Date

- Completed and permitted site engineering and development plans
- Constructed a new concrete abutment and installed a large ADA accessible aluminum ramp
- Dock and general infrastructure safety improvements
- Built a strong network of community support and partnerships
- Conditionally designated Water Trail site in September 2019



# Grant Application

- Initial outreach to Water Trail in 2016
- Incorporated Advisory Committee feedback during 2019 designation
- Formed an “ADA task force” composed of representatives from the ADA community, among them the Bay Area Association of Disabled Sailors for advice on our project design and for recommendations on constructing facilities for ADA users



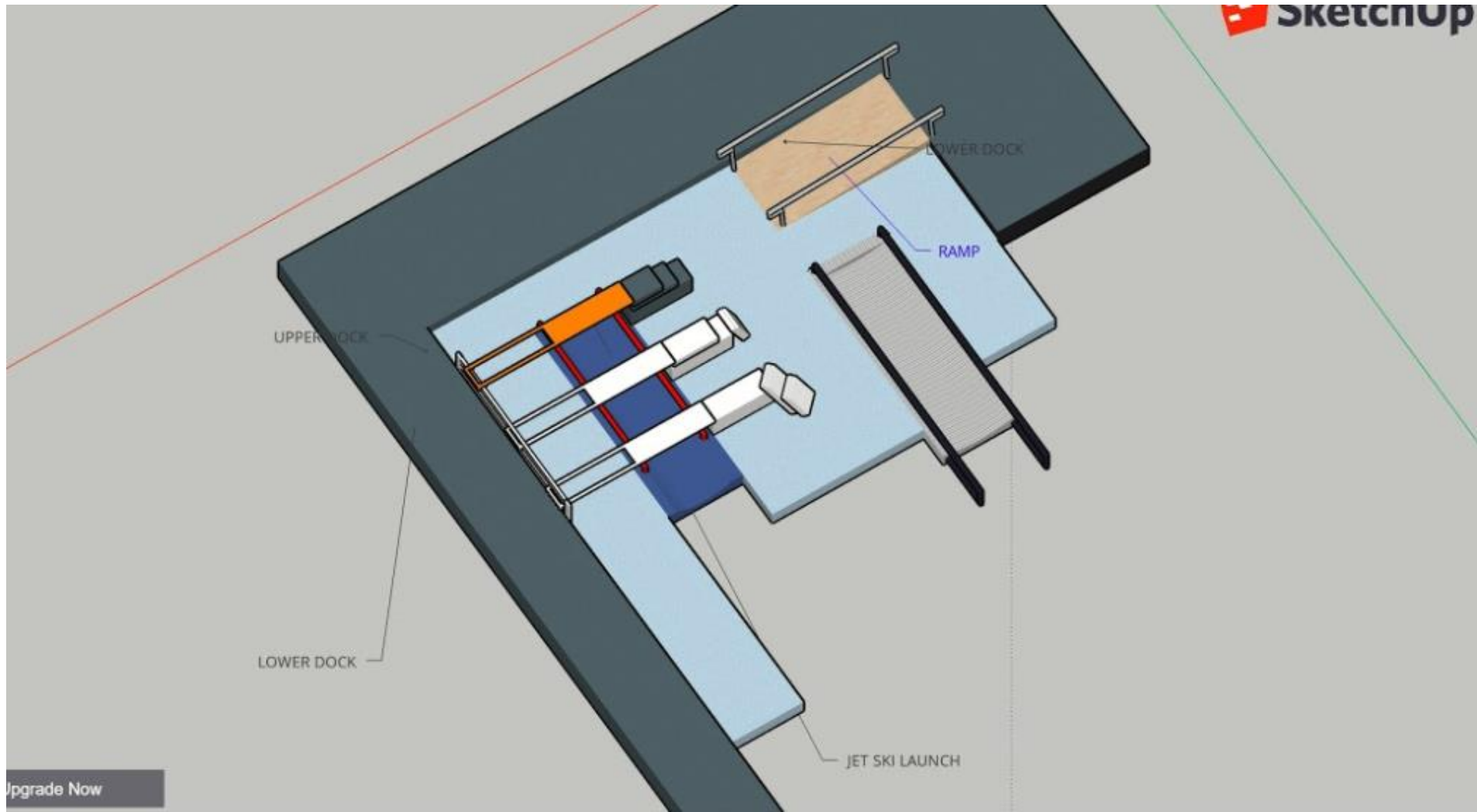


# Grant Application

- \$65,000
- Fabricate and install ADA access dock with an ADA kayak launch and another ADA accessible launch for other small vessels
  - Includes an adjustable transfer bench to accommodate a wide range of vessels and users
- Fabricate and install new south docks that include two low-freeboard landing areas set into the high-freeboard docks for users of NMSBs to unload and haul their boats onto the dock while visiting attractions in Sausalito.

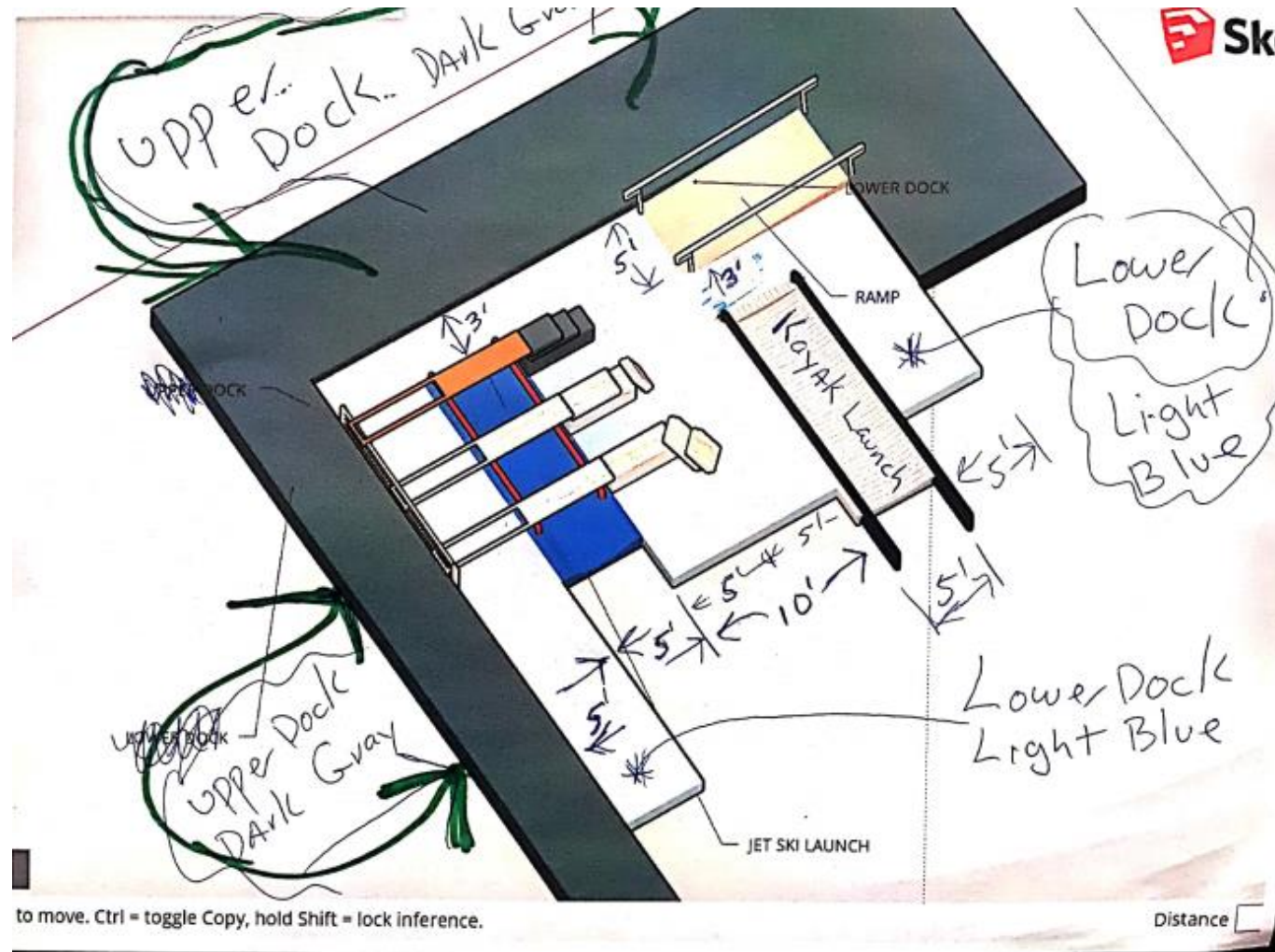


# Grant Application

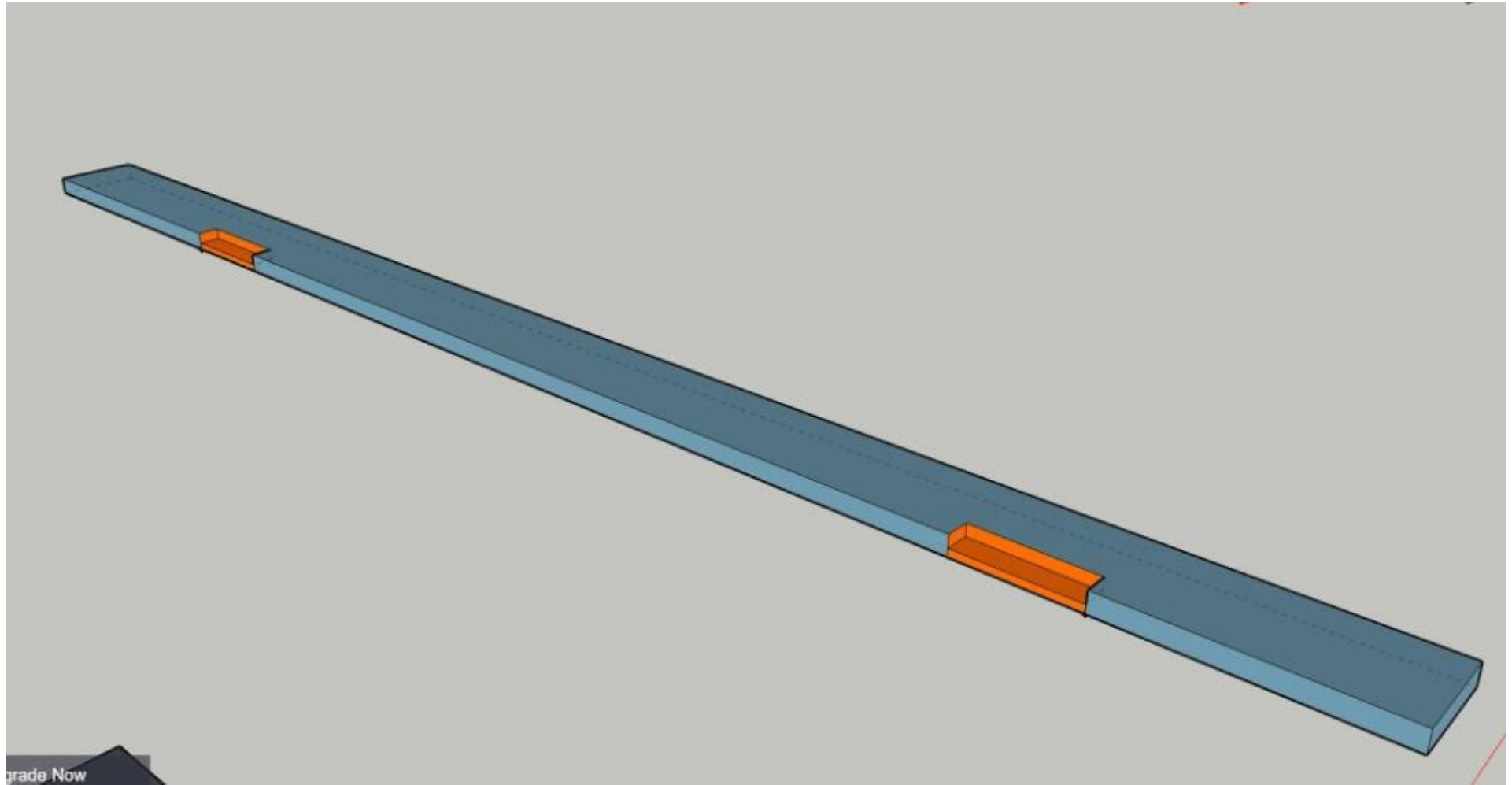




# Grant Application



# Grant Application



grade Now





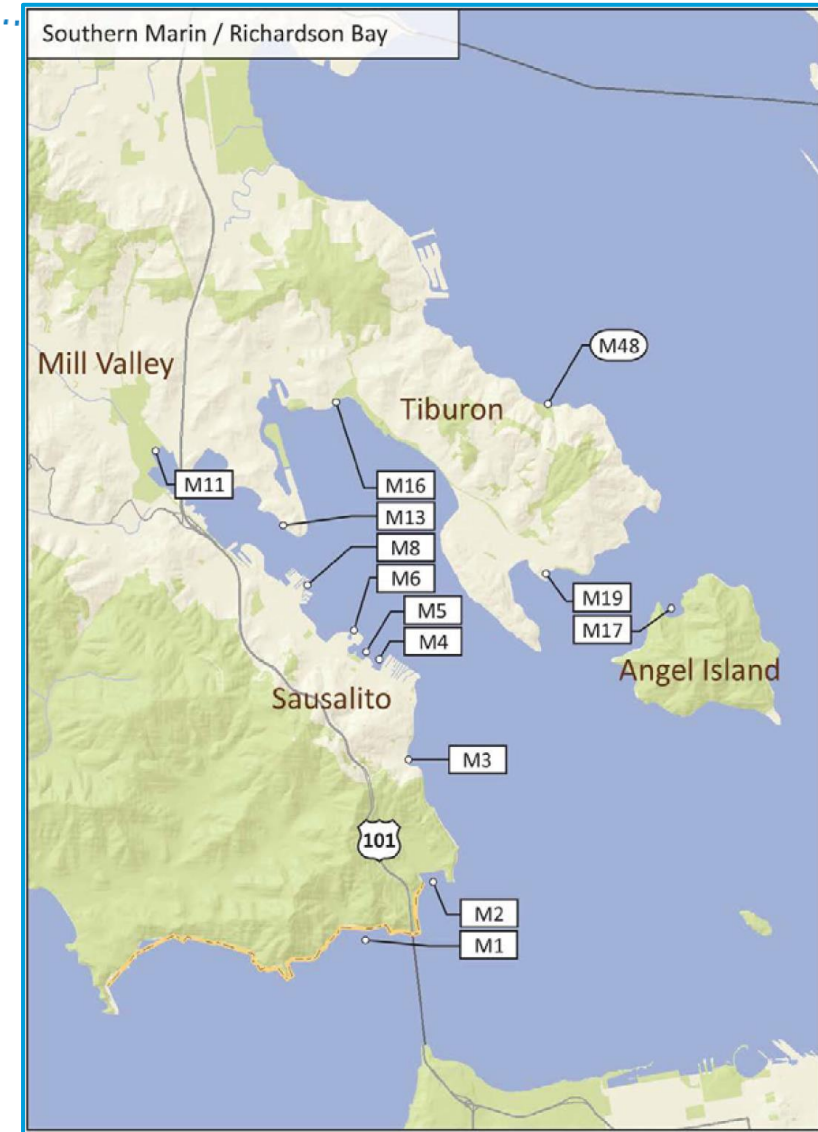
# Accessibility



# Accessibility Plan

- 12 Sites
- 3 w/ accessible facilities

Site ID	Site Name	Beach	Firm Surface Beach	Low-Freeboard Dock	High-Freeboard Dock	Transfer System	Boat/Trailer Ramp	Water Entry Path	Accessible Parking	Accessible Restrooms	Loading/Unloading	Public Boat Storage	Boating Concession	Club
M11	Bayfront Park													
M16	Blackie's Pasture													
M13	Brickyard Park													
M8	Clipper Yacht Harbor													
M6	Schoonmaker Point													
M5	Dunphy Park													
M4	Turney Street Public Boat Ramp													
M19	Sam's Anchor Café													
M17	Angel Island State Park													
M3	Swede's Beach													
M2	Horseshoe Cove													
M1	Kirby Cove													
Total		9	0	0	4	0	3	0	6	9	6	0	1	1






# Stewardship

## MARINE & SHORE BIRDS

BIODIVERSITY OF THE BAY AREA

### COMMON SPECIES

 Bufflehead <i>Bucephala albeola</i>	 Lesser and Greater Scaup <i>Anas platyrhynchos</i> and <i>Anas boschas</i>	 Ruddy Duck <i>Oxyechus erythrorhynchos</i>	 Western and Clark's Grebe <i>Phaeoprogne sublineata</i>	 American Coot <i>Fulica americana</i>
---	--	--	---	---

### RESIDENT SPECIES

 Least Blue Heron <i>Ardea herodias</i>
 Great Egret <i>Ardea alba</i>

These birds breed in Richardson Bay and can be found here year round.

### SPECIES OF SPECIAL INTEREST

 Sumner's Song Sparrow (Endemic) <i>Melospiza melodia sumneri</i>
 Roughwinged Blackbird <i>Agelaius phoeniceus</i>

### MIGRATORY SPECIES

 Surf Scoter <i>Melanitta perspicillata</i>
--

Richardson Bay is along the Pacific Flyway. Birds migrating south will stop here. Some stay only a few days while others will stay the entire season. This adds to the diversity of birds found in the area.




During the winter, Pacific herring come to Richardson Bay to spawn (lay their eggs) onto eelgrass. This provides an excellent source of food for many bird species.


Conservation Corps North Bay logo and tagline: "A path to a better future."

## EELGRASS (*ZOSTERA MARINA*)


Important Food Source and Habitat

### Eelgrass in Richardson Bay

Eelgrass plays an important role in structuring the marine environment. Richardson Bay has the second largest eelgrass bed in the San Francisco Bay and one of the largest areas suitable for restoration. Sanitolo is unique because it is one of the few areas nearby that you can see this habitat in low tide.

Eelgrass supports many ecologically and commercially important species. For example, the Pacific herring lay their eggs on eelgrass blades.





Goosander (© Stephanie K. Kavanagh)

Eelgrass provides foraging and spawning areas for fish and invertebrates as well as food for migratory birds. It also serves as a nursery for a variety of sea life, including invertebrates and fish.



The federal government designated eelgrass beds as essential fish habitat. Eelgrass provides food and habitat to many species.



### ECOSYSTEM SERVICES

Eelgrass beds provide a wide variety of ecosystem services. Such services include:

- Erosion control
- Absorption of wave energy
- Breakdown of excess nutrients
- Sequestration of greenhouse gases



CO<sub>2</sub> is taken up by the eelgrass during photosynthesis and is eventually stored in the sediments.

Conservation Corps North Bay logo and tagline: "A path to a better future."





## NATURE-BASED ADAPTATIONS

PREPARING COMMUNITIES FOR THE FUTURE




### What are Nature-Based Adaptations?

Nature-based adaptations are projects focused on the conservation, sustainable management, and restoration of natural ecosystems to help adapt to climate change. The goal is to keep ecosystems healthy so that they can continue to provide human communities with ecosystem services.

### Examples of Ecosystem Services:

 Soil Fertility	 Flood Protection	 Carbon Storage	 Aesthetic Landscapes
---	---	---	---

### Nature-Based Adaptations In Action

 Problem: Habitat Loss Solution: Sediment Layer Augmentation	 Problem: Sea Level Rise and Flooding Solution: Living Seawall	 Problem: Shore Erosion Solution: Living Shorelines with Oyster and Eelgrass Beds
---	---	--

### Why Use Nature-Based Adaptations?

Promote and conserve resiliency - help with the effects of climate change and protect against future problems

Often less expensive than traditional engineering solutions over the long term - low/no maintenance costs into future

Other socio-economic benefits - social equity, health benefits, recreation and employment opportunities

Conservation Corps North Bay logo and tagline: "A path to a better future."



# Operation

- Launch facilities will be open and free to the public sunrise to sunset
- Gate on the gangway will be locked after-hours to deter vandalism and unauthorized docking
- Keypad and sensor to control gate access – open automatically during daylight hours and can allow “after hours” access with reservation





# Project Support

- City of Sausalito, Sausalito Parks and Recreation
- The Bay Model (partner of annual fundraiser for 5 years)
- Sausalito/Marin City School District
- Sea Trek
- Baykeeper
- Conservation Corps of North Bay
- San Francisco Maritime National Historic Park
- Arques School for Traditional Boatbuilding
- Richardson Bay Maritime Association (RBMA)
- And many more...



# Consistency

- The project is consistent with goals and strategies of the Enhanced Water Trail Plan to:
  - Make improvements consistent with site characteristics and policies, plans, and priorities (*strategy 3 and 4*)
  - Develop and improve launch facilities to be accessible (*strategy 10*)
  - Promote non-profit boating clubs and on-site equipment concessions (*strategy 12*)
  - Provide signage to encourage positive boating experiences, protect wildlife and habitat and boat safely (*strategy 17*)





# Questions & Discussion

